

**Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09779089 on February 13, 2003**

10 340/539 (4 OR, 6 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/531 .With particular coupling link  
340/539 ..Radio

9 340/572.1 (1 OR, 8 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition  
340/568.1 ..Article placement or removal (e.g.,  
anti-theft)  
340/572.1 ...Detectable device on protected article  
(e.g., "tag")

9 340/825.72 (1 OR, 8 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/825.71 ..Frequency responsive actuation  
340/825.72 ..Wireless link

8 340/825.69 (5 OR, 3 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/825.57 ..Pulse responsive actuation  
340/825.62 ..Serial  
340/825.69 ...Radio link

6 340/10.1 (2 OR, 4 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/10.1 ..Interrogation response

6 340/870.02 (4 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/870.01 CONTINUOUSLY VARIABLE INDICATING (E.G.,  
TELEMETERING)  
340/870.02 ..With meter reading

6 380/34 (0 OR, 6 XR)  
Class 380 : CRYPTOGRAPHY  
380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY  
380/270 ..Wireless communication  
380/33 ..Using plural paths or channels  
380/34 ...Plural carrier frequencies

5 340/870.03 (0 OR, 5 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/870.01 CONTINUOUSLY VARIABLE INDICATING (E.G.,  
TELEMETERING)  
340/870.02 ..With meter reading  
340/870.03 ..Having plural transmitters

4 340/531 (0 OR, 4 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/531 .With particular coupling link

3 222/641 (1 OR, 2 XR)  
Class 222 : DISPENSING  
222/638 INCLUDING TIMER  
222/639 .For timing dispensing period  
222/640 ..Of beverage or beverage component dispenser  
  
222/641 ...Including electrical timing circuit

3 340/10.4 (1 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/10.1 .Interrogation response  
340/10.4 ..Response signal detail

3 340/442 (1 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/425.5 LAND VEHICLE ALARMS OR INDICATORS  
340/438 .Internal alarm or indicator responsive to a condition of the vehicle  
340/442 ..Tire deflation or inflation

3 340/447 (2 OR, 1 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/425.5 LAND VEHICLE ALARMS OR INDICATORS  
340/438 .Internal alarm or indicator responsive to a condition of the vehicle  
340/442 ..Tire deflation or inflation  
340/445 ...With particular telemetric coupling  
340/447 ....Radio wave

3 340/5.26 (2 OR, 1 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/5.1 .Intelligence comparison for controlling  
340/5.2 ..Authorization control (e.g., entry into an area)  
340/5.21 ...Varying authorization  
340/5.26 ....Code rotating or scrambling

3 340/5.64 (0 OR, 3 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/5.1 .Intelligence comparison for controlling  
340/5.2 ..Authorization control (e.g., entry into an area)  
340/5.6 ...Coded record input (e.g., IC card or key)  
340/5.64 ....Wireless transmitter

3 340/571 (0 OR, 3 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition

340/568.1 ..Article placement or removal (e.g.,  
anti-theft)  
340/571 ...Alarm on protected article

3 340/573.4 (1 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition  
340/573.1 ..Human or animal  
340/573.4 ...House arrest system, wandering, or wrong  
place

3 340/870.11 (0 OR, 3 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/870.01 CONTINUOUSLY VARIABLE INDICATING (E.G.,  
TELEMETERING)  
340/870.11 .Plural transmitters

3 342/357.06 (0 OR, 3 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/352 .Including a satellite  
342/357.01 ..With position indicating  
342/357.06 ...Using Global Positioning Satellite (GPS or  
Glonass)

3 342/457 (0 OR, 3 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/450 .Position indicating (e.g., triangulation)  
342/457 ..Land vehicle location (e.g., bus, police car

3 370/437 (3 OR, 0 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/431 CHANNEL ASSIGNMENT TECHNIQUES  
370/437 .Adaptive selection of channel assignment  
technique

3 370/458 (0 OR, 3 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/431 CHANNEL ASSIGNMENT TECHNIQUES  
370/458 .Using time slots

3 375/130 (3 OR, 0 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/130 SPREAD SPECTRUM

3 375/131 (3 OR, 0 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/130 SPREAD SPECTRUM  
375/131 .Hybrid form

3 375/134 (3 OR, 0 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/130 SPREAD SPECTRUM  
375/132 .Frequency hopping  
375/133 ..End-to-end transmission system  
375/134 ...Having specific code acquisition or tracking

3 701/213 (0 OR, 3 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION  
701/200 NAVIGATION  
701/207 .Employing position determining equipment  
701/213 ..Using Global Positioning System (GPS)

2 73/146.4 (0 OR, 2 XR)  
Class 073 : MEASURING AND TESTING  
73/146 TIRE, TREAD OR ROADWAY  
73/146.2 .Tire inflation testing installation  
73/146.3 ..By direct fluid pressure reading  
73/146.4 ...Telemetric (e.g., indicator on cowl)

2 73/146.5 (0 OR, 2 XR)  
Class 073 : MEASURING AND TESTING  
73/146 TIRE, TREAD OR ROADWAY  
73/146.2 .Tire inflation testing installation  
73/146.3 ..By direct fluid pressure reading  
73/146.4 ...Telemetric (e.g., indicator on cowl)  
73/146.5 ....Electric

2 119/721 (0 OR, 2 XR)  
Class 119 : ANIMAL HUSBANDRY  
119/712 ANIMAL CONTROLLING OR HANDLING (E.G.,  
RESTRAINING, BREAKING, TRAINING, SORTING,  
CONVEYING, ETC.)  
119/720 .Electromagnetic remote control  
119/721 ..Animal confined to predetermined territorial  
location

2 175/40 (0 OR, 2 XR)  
Class 175 : BORING OR PENETRATING THE EARTH  
175/40 WITH SIGNALING, INDICATING, TESTING OR  
MEASURING

2 222/1 (2 OR, 0 XR)  
Class 222 : DISPENSING  
222/1 PROCESSES OF DISPENSING

2 222/36 (0 OR, 2 XR)  
Class 222 : DISPENSING  
222/23 WITH RECORDER, REGISTER, INDICATOR, SIGNAL OR  
EXHIBITOR  
222/36 .Totalizer for successive dispenser cycles

2 324/117R (0 OR, 2 XR)  
Class 324 : ELECTRICITY: MEASURING AND TESTING  
324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER  
SE

324/117R .Magnetic saturation (e.g., in field or in amplifier)

2 324/252 (0 OR, 2 XR)  
Class 324 : ELECTRICITY: MEASURING AND TESTING  
324/200 MAGNETIC  
324/244 .Magnetometers  
324/252 ..Semiconductor type solid-state or magnetoresistive magnetometers

2 324/96 (1 OR, 1 XR)  
Class 324 : ELECTRICITY: MEASURING AND TESTING  
324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER SE  
324/96 .Using radiant energy

2 340/10.2 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/10.1 .Interrogation response  
340/10.2 ..Contention avoidance

2 340/10.33 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/10.1 .Interrogation response  
340/10.3 ..Interrogation signal detail  
340/10.33 ...Wake up (all call)

2 340/10.34 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/10.1 .Interrogation response  
340/10.3 ..Interrogation signal detail  
340/10.34 ...Power up

2 340/10.41 (1 OR, 1 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/10.1 .Interrogation response  
340/10.4 ..Response signal detail  
340/10.41 ...Combination response

2 340/10.51 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/10.1 .Interrogation response  
340/10.5 ..Additional control  
340/10.51 ...Programming (e.g., read/write)

2 340/551 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition  
340/541 ..Intrusion detection  
340/551 ...Disturbance of magnetic field

2 340/568.1 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition  
340/568.1 ..Article placement or removal (e.g.,  
anti-theft)

2 340/572.4 (2 OR, 0 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition  
340/568.1 ..Article placement or removal (e.g.,  
anti-theft)  
340/572.1 ...Detectable device on protected article  
(e.g., "tag")  
340/572.4 ....Specified processing arrangement for  
detected signal

2 340/572.8 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition  
340/568.1 ..Article placement or removal (e.g.,  
anti-theft)  
340/572.1 ...Detectable device on protected article  
(e.g., "tag")  
340/572.8 ....Specified device housing or attachment  
means

2 340/573.1 (1 OR, 1 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition  
340/573.1 ..Human or animal

2 340/637 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 .Specific condition  
340/635 ..Condition of electrical apparatus  
340/637 ...Watt-hour meter

2 340/692 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/500 CONDITION RESPONSIVE INDICATING SYSTEM  
340/691.1 .Specified indicator structure  
340/692 ..Sound reproducer

2 340/825.02 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/825.02 .Tree or cascade

2 340/825.52 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/825 SELECTIVE  
340/825.52 .Addressing

2 340/854.6 (1 OR, 1 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/853.1 WELLBORE TELEMETRY OR CONTROL (E.G.,  
SUBSURFACE TOOL GUIDANCE, DATA TRANSFER, ETC.)  
340/854.3 .Using a specific transmission medium (e.g.,  
conductive fluid, annular spacing, etc.)  
340/854.6 ..Electromagnetic energy (e.g., radio  
frequency, etc.)

2 341/176 (0 OR, 2 XR)  
Class 341 : CODED DATA GENERATION OR CONVERSION  
341/173 CODE GENERATOR OR TRANSMITTER  
341/176 .Transmitter for remote control signal

2 342/18 (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/13 RADAR EW (ELECTRONIC WARFARE)  
342/16 .ECCM (Electronic counter-countermeasures,  
i.e., antijamming)  
342/17 ..Radar reacts to jamming  
342/18 ...By changing frequency

2 342/357.1 (2 OR, 0 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/352 .Including a satellite  
342/357.01 ..With position indicating  
342/357.06 ...Using Global Positioning Satellite (GPS or  
Glonass)  
342/357.1 ....Combined with telecommunication

2 342/357.13 (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/352 .Including a satellite  
342/357.01 ..With position indicating  
342/357.06 ...Using Global Positioning Satellite (GPS or  
Glonass)  
342/357.13 ....With storage device (i.e., map or database)

2 342/51 (0 OR, 2 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/42 RADAR TRANSPONDER SYSTEM  
342/51 .Transponder only

2 359/145 (1 OR, 1 XR)  
Class 359 : OPTICS: SYSTEMS  
359/109 OPTICAL COMMUNICATION  
359/142 .Remote control  
359/145 ..With radio link

2 370/346 (1 OR, 1 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/310 COMMUNICATION OVER FREE SPACE  
370/345 .Combining or distributing information via time  
channels  
370/346 ..Polling

2 370/350 (0 OR, 2 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/310 COMMUNICATION OVER FREE SPACE  
370/345 .Combining or distributing information via time  
channels  
370/350 ..Synchronization

2 370/449 (1 OR, 1 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/431 CHANNEL ASSIGNMENT TECHNIQUES  
370/449 .Polling

2 370/462 (1 OR, 1 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/431 CHANNEL ASSIGNMENT TECHNIQUES  
370/462 .Arbitration for access to a channel

2 370/478 (0 OR, 2 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/473 ..Transmission of a single message having  
multiple packets  
370/478 .Combined time division and frequency division

2 375/136 (2 OR, 0 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/130 SPREAD SPECTRUM  
375/132 .Frequency hopping  
375/136 ..Receiver

2 375/142 (1 OR, 1 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/130 SPREAD SPECTRUM  
375/140 .Direct sequence  
375/141 ..End-to-end transmission system  
375/142 ...Having correlation-type receiver

2 375/146 (1 OR, 1 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/130 SPREAD SPECTRUM  
375/140 .Direct sequence  
375/146 ..Transmitter

2 375/150 (0 OR, 2 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/130 SPREAD SPECTRUM  
375/140 .Direct sequence  
375/147 ..Receiver  
375/150 ...Correlation-type receiver

2 380/262 (1 OR, 1 XR)  
Class 380 : CRYPTOGRAPHY  
380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY  
380/259 .Symmetric key cryptography  
380/260 ..Symmetric key synchronization  
380/262 ...Transmitting a seed, sequence, or initial  
value

2 380/274 (0 OR, 2 XR)  
Class 380 : CRYPTOGRAPHY  
380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY  
380/270 .Wireless communication  
380/274 ..Synchronization

2 380/46 (0 OR, 2 XR)  
Class 380 : CRYPTOGRAPHY  
380/277 KEY MANAGEMENT  
380/44 .Having particular key generator  
380/46 ..Nonlinear (e.g., pseudorandom)

4968978 88  
5181934 88  
5268683 88  
5280293 88  
5302954 88  
6252544 88  
6429812 88  
5553094 77  
5673252 77  
5963146 77  
6172616 77  
5191610 73  
5477209 73  
5966008 72  
6084503 72  
4354275 71  
4596985 71  
5271043 71  
5311541 71  
5377222 71  
5454009 71  
5561420 71  
5668828 71  
5801643 71  
5828693 71  
5844482 71  
5959550 71  
6031883 71  
6037879 71  
6061344 71  
6072801 71  
6098189 71  
6118789 71  
6137422 71  
6169474 71  
6174073 71  
6198392 71

6215393 71

6226300 71

6215393 71

6226300 71

4245347 70

4255810 70

4259547 70

4361890 70

4369437 70

4389643 70

4399441 70

4414534 70

4442434 70

4513412 70

4600299 70

4792796 70

4894642 70

4912463 70

4940976 70

4988992 70

5036310 70

5235619 70

5255819 70

5287384 70

5361212 70

5369394 70

5377223 70

5386435 70

5442659 70

5446756 70

5463374 70

5471658 70

5500639 70

5505349 70

5507411 70

5508756 70

5537397 70

5543806 70

5579485 70

5604551 70

5617084 70

5640385 70

5699430 70

5708421 70

5745037 70

5751246 70

5760737 70

5774065 70

5804967 70

5828220 70

5841118 70

5850181 70

5852403 70

5862221 70

5878329 70

5883886 70

5886647 70

5937002 70

5936754 70

6002343 70

6058374 70

6072384 70

6078258 70

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Original Classifications

5 340/825.69  
4 340/539  
4 340/870.02  
3 370/437  
3 375/130  
3 375/131  
3 375/134  
2 222/1  
2 340/10.1  
2 340/447  
2 340/5.26  
2 340/572.4  
2 342/357.1  
2 375/136

Cross-Reference Classifications

8 340/572.1  
8 340/825.72  
6 340/539  
6 380/34  
5 340/870.03  
4 340/10.1  
4 340/531  
3 340/5.64  
3 340/571  
3 340/825.69  
3 340/870.11  
3 342/357.06  
3 342/457  
3 370/458  
3 701/213  
2 73/146.4

2 73/146.5  
2 119/721  
2 175/40  
2 222/36  
2 222/641  
2 324/117R  
2 324/252  
2 340/10.2  
2 340/10.33  
2 340/10.34  
2 340/10.4  
2 340/10.51  
2 340/442  
2 340/551  
2 340/568.1  
2 340/572.8  
2 340/573.4  
2 340/637  
2 340/692  
2 340/825.02  
2 340/825.52  
2 340/870.02  
2 341/176  
2 342/18  
2 342/357.13  
2 342/51  
2 370/350  
2 370/478  
2 375/150  
2 380/274  
2 380/46

Combined Classifications

10 340/539  
9 340/572.1  
9 340/825.72  
8 340/825.69

6 340/10.1  
6 340/870.02  
6 380/34  
5 340/870.03  
4 340/531  
3 222/641  
3 340/10.4  
3 340/442  
3 340/447  
3 340/5.26  
3 340/5.64  
3 340/571  
3 340/573.4  
3 340/870.11  
3 342/357.06  
3 342/457  
3 370/437  
3 370/458  
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3 375/131  
3 375/134  
3 701/213  
2 73/146.4  
2 73/146.5  
2 119/721  
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2 222/1  
2 222/36  
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2 324/252  
2 324/96  
2 340/10.2  
2 340/10.33  
2 340/10.34  
2 340/10.41  
2 340/10.51  
2 340/551

2 340/568.1  
2 340/572.4  
2 340/572.8  
2 340/573.1  
2 340/637  
2 340/692  
2 340/825.02  
2 340/825.52  
2 340/854.6  
2 341/176  
2 342/18  
2 342/357.1  
2 342/357.13  
2 342/51  
2 359/145  
2 370/346  
2 370/350  
2 370/449  
2 370/462  
2 370/478  
2 375/136  
2 375/142  
2 375/146  
2 375/150  
2 380/262  
2 380/274  
2 380/46